

WHAT IS CLAIMED IS:

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1. An apparatus for managing a state of an external apparatus connected thereto, comprising:

a database storing the state of the external apparatus;

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a managed object (MO) managing the state of the external apparatus, the MO being provided in said database and realized by an application; and

a control interface for said MO performing outer control from said database, the interface
15 being provided in said MO.

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2. The apparatus as claimed in claim 1, further comprising a result notification interface for notifying said database of a result of the outer control performed by said MO with the result being correlated with the control, the result notification
25 interface being provided in said MO.

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3. The apparatus as claimed in claim 1, further comprising a change notification interface for notifying said MO of a change in the state of the external apparatus, the change notification interface being provided in said MO.

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4. The apparatus as claimed in claim 1,
further comprising a protocol conversion part
converting a first protocol into a second protocol
for transmitting information between said database
5 and the external apparatus.

10 5. The apparatus as claimed in claim 4,
wherein said database and said protocol conversion
part comprise a server computer managing the
external apparatus.

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6. The apparatus as claimed in claim 5,
wherein said MO performs outer control or a
20 notification is transmitted to said MO from outside
before said database completes transaction
processing requested by a user application connected
to the apparatus.

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7. The apparatus as claimed in claim 6,
further comprising an event notification interface
30 for notifying the user application of an event, the
event notification interface being provided in said
MO.

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8. The apparatus as claimed in claim 6,

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wherein an operation statement for operating said MO is provided in a query language for posing a query to said database from the user application.

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9. The apparatus as claimed in claim 6, wherein said MO is operated by using a reference statement of a query language for posing a query to said database from the user application.

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10. The apparatus as claimed in claim 1, wherein said control interface is provided with a function of extending transaction processing in said database.

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11. The apparatus as claimed in claim 1, wherein control of establishing a session with said database is extended so that operations of a plurality of users are performed as one transaction.

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12. A method of managing a state of an apparatus, the method realizing a managed object (MO) by an application and storing the state of the apparatus in a database, the MO managing the state of the apparatus,

wherein the MO is provided inside the

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database and performs outer control therefrom via a control interface.

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13. The method as claimed in claim 12, wherein said database is notified of a result of the outer control via a result notification interface provided in the MO with the result being correlated with the control.

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14. The method as claimed in claim 12, wherein the MO is notified of a change in the state of the apparatus provided external to the database via a change notification interface provided in the MO.

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15. The method as claimed in claim 12, wherein a protocol conversion part converts a first protocol into a second protocol for transmitting information between the database and the apparatus.

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16. The method as claimed in claim 15, wherein a server computer comprising the database and the protocol conversion part manages the apparatus connected to the server computer.

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17. The method as claimed in claim 16,
wherein the MO performs outer control or a
notification is transmitted to the MO from outside
before the database completes transaction processing
5 requested by a user application connected to the
server computer.

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18. The method as claimed in claim 17,
wherein the user application is notified of an event
via an event notification interface provided in the
MO.

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19. The method as claimed in claim 17,
20 wherein an operation statement for operating the MO
is provided in a query language for posing a query
to the database from said user application.

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20. The method as claimed in claim 17,
wherein the MO is operated by using a reference
statement of a query language for posing a query to
30 the database from the user application.

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21. The method as claimed in claim 12,
wherein the control interface is provided with a
function of extending transaction processing in the

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database.

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22. The method as claimed in claim 12,
wherein control of establishing a session with the
database is extended so that operations of a
plurality of users are performed as one transaction.

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